CLAIMS

What is claimed is:

1. A system for generating electricity from a wind comprising:

an enclosure for mounting within or in close proximity to the building, the enclosure having an air intake and an air exhaust;

a wind turbine disposed within the enclosure between the air intake and the air exhaust, the wind turbine generating electricity from the wind received from the air intake; and

two or more air ducts, each air duct having a first end connected to an air duct intake device for mounting on the building and a second end connected to the enclosure air intake.

2. The system as recited in claim 1 wherein the first end of the two or more ducts has a larger cross sectional area than the second end of the two or more ducts.

3. The system as recited in claim 1 further comprising an intermediate duct disposed between the enclosure air intake and the second ends of the two or more ducts.

4. The system as recited in claim 1 wherein the air duct intake device is a grill mounted on an exterior of the building.

5. The system as recited in claim 1 wherein the air duct intake device is an air scoop.

6. The system as recited in claim 5 wherein the air scoop has a directional inlet that changes position in favor of the wind direction.

7. The system as recited in claim 5 wherein the directional inlet is remotely controlled.

8. The system as recited in claim 1 further comprising an air flow focusing device disposed within the enclosure between the enclosure air intake and the wind turbine.

9. The system as recited in claim 1 wherein the enclosure is mounted within an attic of the building.

10. The system as recited in claim 1 wherein the enclosure is mounted within a basement of the building.

11. The system as recited in claim 1 wherein the enclosure is mounted outside the building and the two or more ducts are substantially disposed within the building.

12. The system as recited in claim 1 wherein the wind turbine is mounted on a vibration dampener within the enclosure.

13. The system as recited in claim 1 wherein the enclosure is insulated for sound.

14. The system as recited in claim 1 further comprising a processor for monitoring and controlling the wind turbine.

15. The system as recited in claim 1 further comprising an exhaust duct having a first end connected to the enclosure air exhaust and a second end connected to an air exhaust.

16. The system as recited in claim 15 wherein the air duct exhaust device is a grill mounted on an exterior of the building.

17. The system as recited in claim 15 wherein the cross sectional area of the exhaust duct is substantially larger than the cross sectional area of the two or more air ducts.

18. A building adapted to generate electricity from a wind comprising:

an enclosure disposed within or in close proximity to the building, the enclosure having an air intake and an air exhaust;

a wind turbine disposed within the enclosure between the air intake and the air exhaust, the wind turbine generating electricity from the wind received from the air intake; and

two or more air ducts, each air duct having a first end connected to an air duct intake device mounted on an exterior of the building and a second end connected to the enclosure air intake.

19. The building as recited in claim 18 wherein the first end of the two or more ducts has a larger cross sectional area than the second end of the two or more ducts.

20. The building as recited in claim 18 further comprising an intermediate duct disposed between the enclosure air intake and the second ends of the two or more ducts.

21. The building as recited in claim 18 wherein the air duct intake device is a grill.

22. The building as recited in claim 18 wherein the air duct intake device is an air scoop.

23. The building as recited in claim 22 wherein the air scoop has a directional inlet that changes position in favor of the wind direction.

24. The building as recited in claim 22 wherein the directional inlet is remotely controlled.

25. The building as recited in claim 18 further comprising an air flow focusing device disposed within the enclosure between the enclosure air intake and the wind turbine.

26. The building as recited in claim 18 wherein the enclosure is mounted within an attic of the building.

27. The building as recited in claim 18 wherein the enclosure is mounted within the basement of the building.

28. The building as recited in claim 18 wherein the wind turbine is mounted on a vibration dampener within the enclosure.

29. The building as recited in claim 18 wherein the enclosure is insulated for sound.

30. The building as recited in claim 18 further comprising a processor for monitoring and controlling the wind turbine.

31. The building as recited in claim 18 further comprising an exhaust duct having a first end connected to the enclosure air exhaust and a second end connected to an air exhaust mounted on the exterior of the building.

32. The building as recited in claim 18 wherein the air duct exhaust device is a grill.

33. The building as recited in claim 18 wherein the cross sectional area of the exhaust duct is substantially larger than the cross sectional area of the two or more air ducts.